

# PATENT COOPERATION TREATY

# PCT

## INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference  913528185PCT	<b>FOR FURTHER ACTION</b> see Notification of Transmittal of International Search Report (Form PCT/ISA/220) as well as, where applicable, item 5 below.	
International application No.  PCT/ CA 03/ 01044	International filing date (day/month/year)  11/07/2003	(Earliest) Priority Date (day/month/year)  03/10/2002
Applicant  NORTEL NETWORKS LIMITED		

This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This International Search Report consists of a total of 4 sheets.

☒ It is also accompanied by a copy of each prior art document cited in this report.

### 1. Basis of the report

- a. With regard to the **language**, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.

☐ the international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).

- b. With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, the international search was carried out on the basis of the sequence listing :

☐ contained in the international application in written form.

☐ filed together with the international application in computer readable form.

☐ furnished subsequently to this Authority in written form.

☐ furnished subsequently to this Authority in computer readable form.

☐ the statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.

☐ the statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished

2. ☐ **Certain claims were found unsearchable** (See Box I).

3. ☐ **Unity of invention is lacking** (see Box II).

4. With regard to the **title**,

☐ the text is approved as submitted by the applicant.

☒ the text has been established by this Authority to read as follows:

OPTICAL DISPERSION COMPENSATION IN THE ELECTRICAL DOMAIN IN AN OPTICAL COMMUNICATIONS SYSTEM

5. With regard to the **abstract**,

☒ the text is approved as submitted by the applicant.

☐ the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box III. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. The figure of the **drawings** to be published with the abstract is Figure No.

☐ as suggested by the applicant.

☐ because the applicant failed to suggest a figure.

☒ because this figure better characterizes the invention.

2 \_\_\_\_\_  
☐ None of the figures.

## INTERNATIONAL SEARCH REPORT

International Application No

P A 03/01044

## A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 H04B10/18

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 H04B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2002/018268 A1 (MEEKER DEREK W ET AL) 14 February 2002 (2002-02-14) figures 5,7.C,9 page 4, paragraph 45 - paragraph 60 page 3, paragraph 39 - paragraph 41 ---	1-48
X	GYSEL H ET AL: "ELECTRICAL PREDISTORTION TO COMPENSATE FOR COMBINED EFFECT OF LASER CHIRP AND FIBRE DISPERSION" ELECTRONICS LETTERS, IEE STEVENAGE, GB, vol. 27, no. 5, 28 February 1991 (1991-02-28), pages 421-423, XP000219740 ISSN: 0013-5194 page 422, right-hand column -page 423, left-hand column figure 3 --- -/--	1,14,34

☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

## \* Special categories of cited documents :

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the international filing date
- \*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

- \*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- \*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- \*&\* document member of the same patent family

Date of the actual completion of the international search

11 November 2003

Date of mailing of the international search report

26/11/2003

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2  
NL - 2280 HV Rijswijk  
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,  
Fax: (+31-70) 340-3016

Authorized officer

Cabañas Prieto, A.M.

## INTERNATIONAL SEARCH REPORT

International Application No

PCT/A 03/01044

## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5 446 574 A (EGNELL LARS ET AL) 29 August 1995 (1995-08-29) abstract column 3 column 5 figures 1,2	1, 14, 34
A	US 2002/024694 A1 (NEWELL LAURENCE J ET AL) 28 February 2002 (2002-02-28) page 5, right-hand column page 7	1-48
A	EP 1 223 694 A (FUJITSU LTD) 17 July 2002 (2002-07-17) abstract; figure 1 column 7	1-48
A	EP 0 971 493 A (FUJITSU LTD) 12 January 2000 (2000-01-12) abstract column 1 -column 4	1-48

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

P A 03/01044

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 2002018268	A1	14-02-2002	US 6317243 B1	13-11-2001
			US 6118566 A	12-09-2000
			CA 2349200 A1	11-05-2000
			EP 1129531 A1	05-09-2001
			WO 0027054 A1	11-05-2000
			US 6426821 B1	30-07-2002
			US 6529305 B1	04-03-2003
US 5446574	A	29-08-1995	SE 501070 C2	07-11-1994
			DE 4410490 A1	29-09-1994
			FR 2703201 A1	30-09-1994
			GB 2276788 A ,B	05-10-1994
			JP 7079197 A	20-03-1995
			SE 9301023 A	27-09-1994
US 2002024694	A1	28-02-2002	AU 7831900 A	24-04-2001
			AU 9621201 A	24-12-2001
			EP 1219051 A1	03-07-2002
			WO 0122628 A1	29-03-2001
			WO 0197412 A2	20-12-2001
			US 2002012493 A1	31-01-2002
			AU 2903401 A	10-05-2001
			AU 6806701 A	26-11-2001
			WO 0126263 A2	12-04-2001
			WO 0189119 A2	22-11-2001
			US 2002039211 A1	04-04-2002
			US 2002012146 A1	31-01-2002
			AU 6985701 A	24-12-2001
			WO 0197487 A2	20-12-2001
			US 2002052960 A1	02-05-2002
EP 1223694	A	17-07-2002	JP 2002208892 A	26-07-2002
			EP 1223694 A2	17-07-2002
			US 2002089724 A1	11-07-2002
EP 0971493	A	12-01-2000	JP 2000031900 A	28-01-2000
			EP 0971493 A2	12-01-2000